CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.10/NV/ STEEL/2014-15 20.10.2014

TEST REPORT ON REINFORCEMENT STEEL

Client	:	**Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
Agency	:	**Mr. N. Vijay** No. 03, 2nd Main Road, 3rd Cross, Nagappa Block, Srirampuram, Bangalore - 21.
Name of the Work	:	Improvements to roads and drains at Gopalappa Garden in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division, BBMP, Bangalore.
Reference	:	AEE/BBMP/VRPSD/PR/333/1/2014-15 Dated: 15.10.2014
Date of Test	:	20.10.2014
Technical Reference	:	IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm^2	Tensile strength (Ultimate stress) N/mm^2	Elongation percent gauge length		
1	8	0.40	512	555	13.15	O.K	O.K

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

Civil Tech Consultants & Engineers Bangalore

VISHWANATH. I.A.
Chief Executive Officer

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#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

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Date of Test	:	20.10.2014
Technical Reference	:	IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm^2	Tensile strength (Ultimate stress) N/mm^2	Elongation percent gauge length		
1	10	0.62	516	559	13.40	O.K	O.K

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T-2377

Job No.: CTCE/BBMP/W.No.10/NV/CSR-10/652i/CUBE/2014-15

20.11.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
* Agency	: **Mr. N. Vijay** No. 03, 2nd Main Road, 3rd Cross, Nagappa Block, Srirampuram, Bangalore - 21.
* Name of the work	: Improvements to roads and drains at Gopalappa Garden in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division, BBMP, Bangalore.
Reference	: AEE/BBMP/VRPSD/PR/333/1/2014-15 Dated: 15.10.2014
* Sample ID	: RCC Drain Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day
Sample Received on	: 18.11.2014

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.10.2014	20.11.2014	8.142	475.9	21.15
2	23.10.2014	20.11.2014	8.259	491.4	21.84
3	23.10.2014	20.11.2014	8.372	503.8	22.39

* Information is furnished by the Customer/Representative

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VISHWANATH. I.A.
Chief Executive Officer

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